



#17

09864954.txt

## SEQUENCE LISTING

<110> Sepp Kaul  
Josef Preiherr (Deceased)  
Ulrich Weidle

<120> A nucleic acid which is upregulated in human tumor cells, a protein encoded thereby and a process for tumor diagnosis

<130> Case 20678

<140> US 09/864,954

<141> 2001-05-24

<150> EP00110953.7

<151> 2000-05-26

<150> EP00115369.1

<151> 2000-07-15

<160> 12

<170> PatentIn Ver. 2.1

<210> 1

<211> 2342

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (459)..(848)

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gccattccag gctgaggctg tgagcagcac catgacaagc tccggccgca gtggctctca 180

acagtgtggg tctctgacca cccgacgagc tggaagtgca gaccgctgac ctcccttgag 240

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tctatgcacc atcacattgg aaactttttt cattgactgt tacttaatga gaagacttcc 360

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agacgtgcag catctttgct ggcttctacc gaaacacc atg gat cca gac gtg gtt 476

Met Asp Pro Asp Val Val  
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ttg tgg tcc tgc acg tgg aag cca gcc ctg cgt ggg gtg agc ctg gga 524

Leu Trp Ser Cys Thr Trp Lys Pro Ala Leu Arg Gly Val Ser Leu Gly  
10 15 20

ctg tgg gca gag aac ctc aag cac cgg gcc ggc acc caa gtg cag aga 572

Leu Trp Ala Glu Asn Leu Lys His Arg Ala Gly Thr Gln Val Gln Arg  
25 30 35

ctg cat cgt ccc agc agg agg cgc tgc ttc cag gct ccc tgg acg gac 620

Leu His Arg Pro Ser Arg Arg Arg Cys Phe Gln Ala Pro Trp Thr Asp  
40 45 50

tcc ggg agg gcg gcc ttt ccc ccc agc ccc aga ggt ggg cct gcc ctt 668

Ser Gly Arg Ala Ala Phe Pro Pro Ser Pro Arg Gly Gly Pro Ala Leu  
55 60 65 70

ttc cga gca tgg gac aca gcc cag gaa aac gca tgg ctt gtc ctc cag 716

Phe Arg Ala Trp Asp Thr Ala Gln Glu Asn Ala Trp Leu Val Leu Gln  
75 80 85

aca cag gtg cta aca ggg ccg tca gac aag ggc cag gga ctc agg ctt 764

Thr Gln Val Leu Thr Gly Pro Ser Asp Lys Gly Gln Gly Leu Arg Leu  
90 95 100

tta gga att tca gct cca gag cca cca tgc agt ggg acc agg ggt ctg 812

Leu Gly Ile Ser Ala Pro Glu Pro Pro Cys Ser Gly Thr Arg Gly Leu

105

110

115

cgt gga cag gaa gca agc tgt gta gac ggg ggt cca tgaagtagag 858

Arg Gly Gln Glu Ala Ser Cys Val Asp Gly Gly Pro  
120 125 130

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&lt;211&gt; 130

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 2

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			20					25					30		

Gly	Thr	Gln	Val	Gln	Arg	Leu	His	Arg	Pro	Ser	Arg	Arg	Arg	Cys	Phe
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35

40

45

Gln Ala Pro Trp Thr Asp Ser Gly Arg Ala Ala Phe Pro Pro Ser Pro  
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Arg Gly Gly Pro Ala Leu Phe Arg Ala Trp Asp Thr Ala Gln Glu Asn  
 65 70 75 80

Ala Trp Leu Val Leu Gln Thr Gln Val Leu Thr Gly Pro Ser Asp Lys  
 85 90 95

Gly Gln Gly Leu Arg Leu Leu Gly Ile Ser Ala Pro Glu Pro Pro Cys  
 100 105 110

Ser Gly Thr Arg Gly Leu Arg Gly Gln Glu Ala Ser Cys Val Asp Gly  
 115 120 125

Gly Pro  
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&lt;210&gt; 3

&lt;211&gt; 285

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(285)

&lt;400&gt; 3

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cgt ggg gtg agc ctg gga ctg tgg gca gag aac ctc aag cac cgg gcc 96

Arg Gly Val Ser Leu Gly Leu Trp Ala Glu Asn Leu Lys His Arg Ala  
 20 25 30

ggc acc caa gtg cag aga ctg cat cgt ccc aac agg agg cgc tgc ttc 144

Gly Thr Gln Val Gln Arg Leu His Arg Pro Asn Arg Arg Arg Cys Phe  
 35 40 45

cag gct ccc tgg acg gac tcc ggg agg gcg gcc ttt ccc ccc agc ccc 192

Gln Ala Pro Trp Thr Asp Ser Gly Arg Ala Ala Phe Pro Pro Ser Pro  
 50 55 60

aga ggt ggg cct gcc ctt ttc cga gcg tgg gac aca gcc cag gaa aac 240

Arg Gly Gly Pro Ala Leu Phe Arg Ala Trp Asp Thr Ala Gln Glu Asn  
 65 70 75 80

gca tgg ctt gtc ctc cag aca cag ggc gag ttt gga cgg caa gac 285

Ala Trp Leu Val Leu Gln Thr Gln Gly Glu Phe Gly Arg Gln Asp  
 85 90 95

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<211> 95

<212> PRT

<213> Homo sapiens

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 1 5 10 15

Arg Gly Val Ser Leu Gly Leu Trp Ala Glu Asn Leu Lys His Arg Ala  
 20 25 30

Gly Thr Gln Val Gln Arg Leu His Arg Pro Asn Arg Arg Arg Cys Phe  
 35 40 45

Gln Ala Pro Trp Thr Asp Ser Gly Arg Ala Ala Phe Pro Pro Ser Pro  
 50 55 60

Arg Gly Gly Pro Ala Leu Phe Arg Ala Trp Asp Thr Ala Gln Glu Asn  
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<223> Description of Artificial Sequence:-actin reverse  
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<210> 11

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<213> Artificial Sequence

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<223> Description of Artificial Sequence:-actin forward  
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<210> 12

<211> 127

<212> DNA

<213> Homo sapiens

<220>

<223> fragment of sequence AQ548392, nuclotide 1  
correspond to nucleotide 304 and nucleotide 127  
correspond to nucleotide 430 of the complete  
sequence



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<308> AQ548392

<309> 2001-12-11

<400> 12

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tagcacc

127